

# ANIKET GADE

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## SKILLS

### PROGRAMMING LANGUAGES

Python (Primary Language)  
Java (Multiple Projects)  
C/C++ (Multiple Projects)  
Matlab (Basics)  
Shell Scripting (Basics)  
C# (Basics)

### DATABASE

MySQL (Multiple Projects)  
MongoDB (Basics)

### MACHINE LEARNING

Tensorflow/ Keras/ PyTorch/ NLTK/  
Pandas

### WEB DEVELOPMENT

HTML5/ CSS/ PHP/ JavaScript/  
XML/ Laravel/ Django

### DEVELOPMENT TOOLS

Spyder/ Visual Studio/ Eclipse/  
Netbeans IDE/ IDLE/ Jupyter Notebook

### PLATFORMS/OS

Google Cloud Platform (GCP)  
Linux (Ubuntu 17.10)  
Windows  
Arduino/ Raspberry Pi/ BeagleBone

### OTHER

Inkscape  
Microsoft Office

## ACTIVITIES

### PETRA Conference Coordinator

2019

I was the first point of contact for paper reviewers and submitters. I was responsible for helping them on any problems or queries they may have.

### Barista - UTA Starbucks

2018- 19

I was responsible to provide excellent customer service, handle cash and make high quality coffee beverages. I was awarded multiple "Employee of the month" awards for my customer service skills.

### Volunteer - MotoGP and Formula 1

2018

Volunteered for the guest services team at Circuit of the Americas - Austin for motorsports events. I was responsible for helping people from over 100 countries regarding any questions they had about the 1500 acre facility.

## EDUCATION

University of Texas - Arlington, Texas  
MS - Computer Science and Engineering

GPA - 3.50  
2017- Dec 2019

Savitribai Phule Pune University - Maharashtra-India  
BE - Computer Engineering

GPA - 3.77  
2013- May 2017

## INTERNSHIP EXPERIENCE

### RESEARCH INTERN

Center for Communication, Media and Information Technologies  
University of Aalborg - Copenhagen, Denmark Dec 2016 - Jan 2017

- Performed research on "Traffic Management System for Emergency Vehicles".
- Designed the architecture of the system and created a prototype using Arduino Mega 2560 and various sensors.
- Programmed the board using the Arduino SDK and created a theoretical solution based on Azure IoT suite.
- Proposed a business model using business canvas technique and MoSCoW Models.

## PROJECTS

### DETECTION OF PHYSICAL FATIGUE AND NURSE BURNOUTS

UTA Human Centered Computing Lab Project Dec 2018-Present

- Studied the state of art technologies for fatigue detection.
- Built an application in python to collect data using the zephyr biomodule sensor.
- Implemented RNN's, Decision trees and CNN's over a common data set.
- Created reports using data visualization with Dash and Matplotlib.

### DEEPLARNING.AI - DEEP LEARNING SPECIALIZATION

Coursera 5 Course Projects June-July 2018

- Built CNNs, RNNs, LSTMs and other neural nets.
- Implemented Adam, Dropout, BatchNorm, Xavier/He initialization and other optimization techniques.
- Worked on case studies from healthcare, autonomous driving, sign language reading, music generation, and natural language processing.
- Implemented all the projects in python using libraries like Tensorflow, Keras, pandas and more.

### BEHAVIOR-BASED FIRE ALARM ROBOT

Course Project Sept-Dec 2017

- Designed and programmed a lego mindstorm robot that can autonomously explore an unknown environment using ultrasonic, touch and light/color sensors.
- Coded in C++ using a custom SDK for 2 behaviours: wander and wall follower; which were switched stochastically.
- Achieved highest efficiency and accuracy in the class.

### SIGN LANGUAGE (ASL) RECOGNITION USING ANN & LEAP MOTION

Senior Design Project, Pune - India 2016 - 17

- Implemented a 3-layer neural network in Java to detect American Sign Language.
- Collected data using a leap motion controller then processed, aggregated and normalized it to achieve an efficient feature set.
- Created a front-end GUI application using netbeans and integrated Microsoft text-to-speech and translation APIs.

## CERTIFICATIONS

- Deep Learning Specialization - deeplearning.ai (Coursera)
- Data Engineering on Google Cloud Platform Specialization (Coursera)
- Data Science and Machine Learning Bootcamp (Udemy)